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Atty. Docket No.: 25436/2382

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Michael Borns
Serial No.: 10/805,650
Filed: March 19, 2004
Entitled: DNA Polymerase Fusions and Uses
Thereof

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Conf. No.:

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a

I hereby certify that this correspondence (and any paper or fee referred to as being enclosed) is being deposited with the United States Post Office as First Class Mail on the date indicated below in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Kathleen Williams
Name of Person Mailing Paper

[Signature]
Signature of Person Mailing Paper

**Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

TRANSMITTAL LETTER

Enclosed for filing in the above-identified patent application, please find the following documents:

1. Information Disclosure Statement;
2. Form PTO-1449;
3. Copies of Cited References; and
4. Return Post Card.

The Commissioner for Patents is hereby authorized to charge any fees to Deposit Account No. 16-0085, Reference 25436/2382. A duplicate of this transmittal letter is enclosed for this purpose.

Respectfully submitted,

Date:

8/20/04

[Signature]
Name: Kathleen Williams
Registration No.: 34,380
Customer No.: 27495
Palmer & Dodge LLP
111 Huntington Avenue
Boston, MA 02199-7613
Tel: 617-239-0100



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Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.56, 1.97 AND 1.98**

Dear Sir:

In accordance with the duty of disclosure under 37 CFR § 1.56, Applicant submits this Information Disclosure Statement pursuant to 37 CFR §§ 1.97 and 1.98 in the above-identified application for consideration by the Patent Office.

A listing of the cited documents, as well as, for the Examiner's convenience, copies of all foreign patent documents and non-patent literature are enclosed. This application was filed after June 30, 2003, and copies of U.S. patents and U.S. patent applications are not required and are not enclosed.

Pursuant to CFR § 1.97(b)(3), because this Statement is being submitted before the first Office Action on the merits, no fee is required.

Applicant does not intend to represent that any of the documents submitted herein are material prior art to this invention or that the list represents an exhaustive search of documents related to this invention.

Applicant respectfully requests that the documents submitted herein be considered and made of record in this application.

Date:

8/22/04

Respectfully submitted,

Name: Kathleen Williams

Registration No.: 34,380

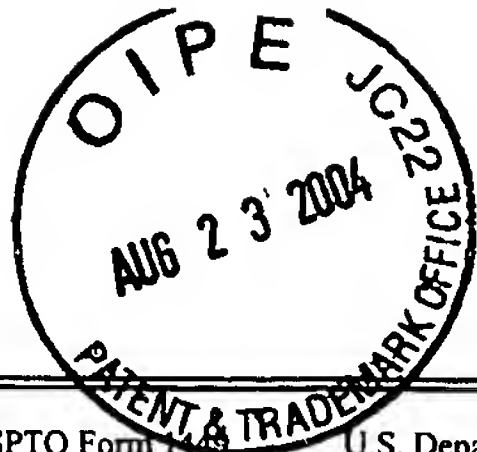
Customer No.: 27495

Palmer & Dodge LLP

111 Huntington Avenue

Boston, MA 02199-7613

Tel: 617-239-0100



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| USPTO Form 1.61 U.S. Department of Commerce Patent and Trademark Office | | | | Attorney Docket No. 25436/2382 | | Serial No. 10/805,650 | | |
| INFORMATION DISCLOSURE STATEMENT | | | | Applicant(s): Michael Borns | | | | |
| | | | | Filing Date: March 19, 2004 | | Group: | | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| Examiner Initial | | Patent No. | Date | Name | Class | Subclass | Filing Date (if appropriate) | |
| | | US 0119461 | 08/29/2002 | Chatterjee | 435 | 6 | | |
| | | US 5,466,591 | 11/14/1995 | Abramson et al. | 435 | 194 | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| Examiner Initial | | Document No. | Publication Date | Country | Class | Subclass | Translation | |
| | | | | | | | YES | NO |
| | | WO 01/92501 A1 | 05/29/2001 | PCT | C12N | 09/12 | | |
| | | WO 01/61015 | 02/16/2001 | PCT | C12N | 15/54 | | |
| | | WO 97/29209 | 02/04/1997 | PCT | C12Q | 01/68 | | |
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| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | | |
| | 1 | Barnes, "PCR amplification of up to 35-kb DNA with high fidelity and high yield from λ bacteriophage templates," <i>Proc. Nat'l. Acad. Sci. USA</i> 91:2216-2220 (1994) | | | | | | |
| | 2 | Bedford <i>et al.</i> , "The thioredoxin binding domain of bacteriophage T7 DNA polymerase confers processivity on Escherichia coli DNA polymerase I," <i>Proc. Nat'l Acad. Sci. USA</i> 94:479-484 (1997) | | | | | | |
| | 3 | Motz, M., <i>et al.</i> , "Elucidation of an Archaeal Replication Protein Network to Generate Enhanced PCR Enzymes," <i>J. Biol. Chem.</i> 277(18):16179-16188 (May 3, 2002) | | | | | | |
| | 4 | Pavlov <i>et al.</i> , "Helix-hairpin-helix motifs confer salt resistance and processivity on chimeric DNA polymerases," <i>Proc. Natl. Acad. Sci. USA</i> 99:13510-13515 (2002) | | | | | | |
| | | | | | | | | |
| EXAMINER | | | | | DATE CONSIDERED | | | |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. | | | | | | | | |
| **Copies of references not provided at the time of this submission. | | | | | | | | |